No. 2. *February*, 1968 PAGE

POYSER, R. H. AND WEST, G. B. STRUCTURAL REQUIREMENTS OF SUGARS AS ANTAGONISTS OF THE VASCULAR RESPONSE TO DEXTRAN IN RAT SKIN 219

DAY, M. D. AND WARREN, P. R. A PHARMACOLOGICAL ANALYSIS OF THE RESPONSES TO TRANSMURAL STIMULATION IN ISOLATED INTESTINAL PREPARATIONS 227

PAGE

1 KERKUT, G. A., WALKER, R. J. AND WOODRUFF, G. N. THE EFFECTS OF HISTAMINE AND OTHER NATURALLY OCCURRING IMIDAZOLES ON NEURONES OF HELIX ASPERSA 241

17 REES, J. M. H. A SEX DIFFERENCE IN THE EFFECT OF PHENAZOCINE AND DIHYDROCODEINE ON THE BLOOD pH OF THE UNANAESTHETIZED RABBIT 253

25 KOVACS, EVA M. AND SUFFIAD, K. HISTAMINE RELEASE BY CORTISONE INDUCED HYPERGLYCAEMIA . . 262

28 KOHLI, J. D. RECEPTORS FOR SYMPATHOMIMETIC AMINES IN THE RABBIT AORTA: DIFFERENTIATION BY SPECIFIC ANTAGONISTS 273

34 LINDMAR, R., LÖFFELHOLZ, K. AND MUSCHOLL, E. A MUSCARINIC MECHANISM INHIBITING THE RELEASE OF NORADRENALINE FROM PERIPHERAL ADRENERGIC NERVE FIBRES BY NICOTINIC AGENTS . . 280

46 COLLIER, H. O. J., DINNEEN, L. C., JOHNSON, CHRISTINE A. AND SCHNEIDER, C. THE ABDOMINAL CONSTRICTION RESPONSE AND ITS SUPPRESSION BY ANALGESIC DRUGS IN THE MOUSE 295

57 LOCKETT, MARY F. AND SIDDIQUI, H. H. SOME RENAL ACTIONS OF TWO ANIONIC FRACTIONS OF PLASMA GLOBULINS 311

65 TOTHILL, ANNE. PHARMACODYNAMIC ACTION OF CYCLOHEXIMIDE ON THE RAT UTERUS 322

78 LANG, W. J. AND PEARSON, LEONIE. STUDIES ON THE PRESSOR RESPONSES PRODUCED BY BRADYKININ AND KALLIDIN 330

87 BENNETT, A., MURRAY, J. G. AND WYLLIE, J. H. OCCURRENCE OF PROSTAGLANDIN E_2 IN THE HUMAN STOMACH, AND A STUDY OF ITS EFFECTS ON HUMAN ISOLATED GASTRIC MUSCLE 339

96 FIELDEN, R. AND GREEN, A. L. OPTICAL ISOMERS OF β-HYDROXYPHENETHYLGUANIDINE: EFFECTS ON HEART NORADRENALINE AND ON SYMPATHETIC BLOCKADE 350

104 PATON, W. D. M. AND SAVINI, E. C. THE ACTION OF NICOTINE ON THE MOTOR ENDPLATE IN THE CAT . . 360

113 BARRETT, A. M. AND THORP, J. M. STUDIES ON THE MODE OF ACTION OF CLOFIBRATE: EFFECTS ON HORMONE-INDUCED CHANGES IN PLASMA FREE FATTY ACIDS, CHOLESTEROL, PHOSPHOLIPIDS AND TOTAL ESTERIFIED FATTY ACIDS IN RATS AND DOGS 381

127 CLARKE, D. E. AND LEACH, G. D. H. THE INFLUENCE OF BRETYLIUM ON THE INTERACTIONS OF INFUSED SYMPATHOMIMETIC AMINES AND TYRAMINE IN THE RESERPINE-TREATED PITHED RAT 392

136 COLLINS, G. G. S. AND WEST, G. B. SOME PHARMACOLOGICAL ACTIONS OF DIETHYLDITHIOCARBAMATE ON RABBIT AND RAT ILEUM 402

145 PROCEEDINGS OF THE BRITISH PHARMACOLOGICAL SOCIETY 411

156

164

168

185

193

201

No. 3. *March*, 1968

PAGE

BLONSKA, T., HALPERN, B. N. AND RAHMAN, S. STUDIES ON THE CARDIOTOXICITY OF STREPTOLYSIN O 441

AARSEN, P. N. SENSITIZATION OF GUINEA-PIG ILEUM TO THE ACTION OF BRADYKININ BY TRYPSIN HYDROLYSATE OF OX AND RABBIT PLASMA 453

GEUMEI, AIDA AND MAHFOUZ, MOHAMED. THE PRESENCE OF β-ADRENERGIC RECEPTORS IN THE HEPATIC VASCULATURE 466

MATSUO, S. AND TODA, N. THE INFLUENCE OF DESMETHYLIMIPRAMINE ON THE CHRONOTROPIC RESPONSE TO ENDOGENOUS AND EXOGENOUS NORADRENALINE IN THE ISOLATED ATRIA 473

BERGMANN, F., CHAIMOVITZ, M., GUTMAN, Y. AND ZERACHIA, A. EFFECT OF MERCURY DERIVATIVES, IMPLANTED INTO THE HYPOTHALAMUS, ON THE WATER INTAKE OF ALBINO RATS 483

BOREHAM, P. F. L. IMMUNE REACTIONS AND KININ FORMATION IN CHRONIC TRYPANOSOMIASIS . . . 493

GOODWIN, L. G. AND HOOK, S. V. M. VASCULAR LESIONS IN RABBITS INFECTED WITH TRYPANOSOMA (TRYPANOZOON) BRUCEI 505

MAXWELL, G. M. ACTIONS OF SUBSTANCE P ON THE GENERAL, PULMONARY, AND CORONARY HAEMODYNAMICS AND METABOLISM OF INTACT DOGS 514

BANERJEE, U., FELDBERG, W. AND LOTTI, V. J. EFFECT ON BODY TEMPERATURE OF MORPHINE AND ERGOTAMINE INJECTED INTO THE CEREBRAL VENTRICLES OF CATS 523

SHIMAMOTO, K. AND TODA, N. MODIFICATIONS BY PROPRANOLOL OF THE RESPONSE OF ISOLATED RABBIT ATRIA TO ENDOGENOUS AND EXOGENOUS NORADRENALINE 539

FREEMAN, SHIRLEY E. IONIC INFLUENCES ON SUCCINYLCHOLINE BLOCKADE OF THE MAMMALIAN NEUROMUSCULAR JUNCTION 546

REILLY, MARGARET A. AND SCHAYER, R. W. STUDIES ON THE HISTIDINE–HISTAMINE RELATIONSHIP IN VIVO 567

BURN, J. H. THE DEVELOPMENT OF THE ADRENERGIC FIBRE 575

BELESLIN, D. B. THE EFFECT OF ANGIOTENSIN ON THE PERISTALTIC REFLEX OF THE ISOLATED GUINEA-PIG ILEUM 583

REIFFENSTEIN, R. J. EFFECTS OF COCAINE ON THE RATE OF CONTRACTION TO NORADRENALINE IN THE CAT SPLEEN STRIP : MODE OF ACTION OF COCAINE 591

KUSCHINSKY, K., LÜLLMANN, H. AND ZWIETEN, P. A. VAN. A COMPARISON OF THE ACCUMULATION AND RELEASE OF ^{3}H-OUABAIN AND ^{3}H-DIGITOXIN BY GUINEA-PIG HEART MUSCLE 598

BUSFIELD, DOROTHY, CHILD, K. J., CLARKE, A. J., DAVIS, B. AND DODDS, M. G. NEUROMUSCULAR BLOCKING ACTIVITIES OF SOME STEROIDAL MONO- AND BIS-QUATERNARY AMMONIUM COMPOUNDS WITH SPECIAL REFERENCE TO NN′-DIMETHYLCONESSINE 609

EYRE, P. EFFECTS OF QUINURONIUM METHYLSULPHATE ON VOLUNTARY MUSCLE 624

MCCANCE, I., PHILLIS, J. W. AND WESTERMAN, R. A. ACETYLCHOLINE-SENSITIVITY OF THALAMIC NEURONES: ITS RELATIONSHIP TO SYNAPTIC TRANSMISSION 635

MCCANCE, I., PHILLIS, J. W., TÉBÉCIS, A. K. AND WESTERMAN, R. A. THE PHARMACOLOGY OF ACETYLCHOLINE-EXCITATION OF THALAMIC NEURONES 652

HILL, R. C. AND TURNER, P. THE EFFECTS OF A NEW BETA-ADRENOCEPTIVE RECEPTOR BLOCKING DRUG ON HEART RATE IN MAN 663

BUCKETT, W. R., MARJORIBANKS, CHRISTINE E. B., MARWICK, FIONA A. AND MORTON, MARION B. THE PHARMACOLOGY OF PANCURONIUM BROMIDE (ORG.NA 97), A NEW POTENT STEROIDAL NEUROMUSCULAR BLOCKING AGENT 671

HART, S. L. AND MCCOLL, I. THE EFFECT OF THE LAXATIVE OXYPHENISATIN ON THE INTESTINAL ABSORPTION OF GLUCOSE IN RAT AND MAN 683

INDEX 687